

GWPC Induced Seismicity Workgroup

A3:G30 first Last	Affiliation	Group
Andrew Adgate	State - OH	4
Scott Anderson	EDF	roam
Dan Arthur	Consultant	3
Scott Ausbrooks	State - AR	
Brad Bacon	Industry	1&4
Tim Baker	State - OK	1 Subgroup lead
Gerry Baker	IOGCC	4 staff- Subgroup lead
Bill Bates	EPA	2
Robert Bauer	State - IL	1&3
John Baza	State - UT	
Ben Ben Grunewald	GWPC	roam
Larry Bengal	State - AR	roam
Greg Beroza	Academia	
Grant Bromhal	NETL	1
Rex Buchanan	State - KS	2 Subgroup lead
Jeff Bull	Industry	1 Subgroup lead
Diana Burns	State - CO	1
Carlos Cabarcas	Industry	
Trenton Cladouhos	Industry	
Dustin Crandall	NETL	2
Phil Dellinger	EPA	1
Ted Dohmen	Industry	1
Nancy Dorsey	EPA	3
Jon Freedman	Consultant	
Cliff Frohlich	Academia	1
Rod Gertson	Industry	3
Holly Green	EPA	3
Rob Habiger	Contractor	
Jason Harmon	State - WV	
David Henry	Industry	1
Ryan Hoffman	State - KS	1
Austin Holland	State - OK	1
Roger Kelley	Industry	roam
James Kenney	EPA	2
Bob Koehler	State - CO	2&3 3-Subgroup lead
Joe Lee	GWPC	3 staff- Subgroup lead
Charles Lord	State - OK	1 Subgroup lead
Hal Macartney	Industry	3 Subgroup lead
Ernie Majer	LLBL	2
Shawn Maxwell	Consultant	
Herschel McDivitt	State - IN	4 Subgroup lead
Linda McDonald	Industry	1
Stephanie Meadows	API	1

Steve Musick	GWPC	2 staff- Subgroup lead
Mark Nechodom	State - CA	
Tim Nein	Industry	
Mike Nickolaus	GWPC	1 staff- Subgroup lead
Jeff Nunn	Industry	2
Kris Nygaard	Industry	2 Subgroup lead
PA	State - PA	open
Mike Paque	GWPC	roam
John Parrish	State - CA	
Don Paul	Academia	
William Rish	Contractor	1
John Rogers	State - UT	1
Brian Rovilli	Consultant	
Justin Rubenstein	USGS	4
John Rupp	State - IN	2
Bob Sandilos	Industry	2
Jesse Sandlin	Industry	1
Leslie Savage	State - TX	1-4 3-Subgroup lead
Fernando Sierra	Industry	
Rick Simmers	State - OH	roam
Mike Sims	State - TX	3
Derek Smith	Industry	3
Jason Smith	ANGA	
Ed Steele	Consultant	3
Brian Stump	Academia	
Laura Swafford	Industry	3
Michael Teague	State - OK	3
Mark Thiesse	State - WY	1
Tim Tyrrell	Industry	3
Robert VanVoorhees	UITC	2
John Veil	Consultant	2
Randi Walters	Academia	1
Norm Warpinski	Contractor	3
Kara Williams	Industry	3
Jonathan Winsor	Industry	
Ivan Wong	Contractor	4 Subgroup lead
Brian Woodard	Industry	2
Robert Worstall	State - OH	4
Debby Yost	Industry	4
Ulrich Zimmer	Industry	1
Mark Zoback	Academia	1
Craig Pearson		3 Subgroup lead
Zac Stevison		
Justin Furnace		1
Mike Mathis		roam

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WV Department of Environmental Protection		
Hilcorp		
Continental Resources	405-774-5926	michael.mathis@clr.com

F+A3:G30	First Last	Affiliation	Group
Brad Bacon		Industry	1&4
Tim Baker		State - OK	1 Subgroup lead
Robert Bauer		State - IL	1&3
Ben Ben Grunewald		GWPC	roam
Larry Bengal		State - AR	roam
Grant Bromhal		NETL	1
Jeff Bull		Industry	1 Subgroup lead
Diana Burns		State - CO	1
Ted Dohmen		Industry	1
Phil Dellinger		EPA	1
Cliff Frohlich		Academia	1
David Henry		Industry	1
Ryan Hoffman		State - KS	1
Austin Holland		State - OK	1
Roger Kelley		Industry	roam
Charles Lord		State - OK	1 Subgroup lead
Mike Mathis		Industry	roam
Linda McDonald		Industry	1
Stephanie Meadows		API	1
Mike Nickolaus		GWPC	1 staff- Subgroup lead
William Rish		Contractor	1
John Rogers		State - UT	1
Jesse Sandlin		Industry	1
Rick Simmers		State - OH	roam
Mark Thiesse		State - WY	1
Randi Walters		Academia	1
Ulrich Zimmer		Industry	1
Mark Zoback		Academia	1
Justin Furnace		Industry	1
Leslie Savage		State - TX	1-4 subgroup lead
Scott Anderson		EDF	roam

Employer	Phone
PDC Energy	303-831-3945
Oklahoma Corporation Commission	405-522-2763
Illinois Geological Survey	217-244-2394
Ground Water Protection Council	405-255-0228
Arkansas Oil & Gas Commission	501-683-5814
National Energy Technical Laboratory	304 285-4688
Chesapeake Energy	405-935-3425
Colorado Oil & Gas Conservation Commission	303-894-2100
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Environmental Protection Agency Region 6	214 665-8324
University of Texas	512 471-0460
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American petroleum Institute	202 682-8578
Ground Water Protection Council	405-516-4972
Hull Risk Analysis Center	614 793-8777
Utah Department of Natural Resources	801-538-5349
Devon Energy Corp	405-552-5012
Ohio Department of Natural Resources	330-896-0616
Wyoming DEQ	307-777-7072
Stanford University	650-725-5831
Shell	832-337-2836
Stanford University	650 725-9295
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F+A3:G30	First	Last	Affiliation	Group
Larry	Bengal		State - AR	roam
Bob	Koehler		State - CO	2&3
Rex	Buchanan		State - KS	2 subgroup lead
John	Rupp		State - IN	2
Leslie	Savage		State - TX	1-4 3 subgroup lead
Ben	Ben Grune	GWPC		roam
Steve	Musick	GWPC		2 staff- Subgroup lead
Ernie	Majer	LLBL		2
Dustin	Crandall	NETL		2
Bill	Bates	EPA		2
Brian	Woodard	Industry		2
Kris	Nygaard	Industry		2 Subgroup lead
Bob	Sandilos	Industry		2
Jeff	Nunn	Industry		2
Mike	Mathis			roam
Roger	Kelley	Industry		roam
Robert	VanVoorhe	UITC		2
James	Kenney	EPA		2
John	Veil	Consultant		2
Scott	Anderson	EDF		roam

Employer	Phone	Email
Arkansas Oil & Gas Commission	501-683-5814	Larry.Bengal@aogc.state.ar.us
Colorado Oil & Gas Conservation Commission	303-894-2100	bob.koehler@state.co.us
Kansas Geological Survey	785-864-2106	rex@kgs.ku.edu
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Texas Railroad Commission	512 463-7308	Leslie.Savage@rrc.state.tx.us
Ground Water Protection Council	405-255-0228	ben@gwpc.org
Ground Water Protection Council	512-847-3520	musick_ambrose@msn.com
Lawrence Berkeley Lab	510-486-6709	elmajer@lbl.gov
National Energy Technical Laboratory	304-285-1384	dustin.crandall@netl.doe.gov
Environmental Protection Agency	312 886-6110	bates.william@epa.gov
Chesapeake Energy	405-935-6854	brian.woodard2@chk.com
ExxonMobil	713-431-4435	kris.j.nygaard@exxonmobil.com
Chevron	713-372-5884	rjsa@chevron.com
Chevron	832-885-3742	Jeffrey.nunn@gmail.com
Continental Resources	405-774-5926	michael.mathis@clr.com
Continental Resources		roger.kelley@clr.com
UITC	202-508-6014	Bob.vanvoorhees@gmail.com
USEPA HQ	202-564-4027	Kenney.James@epa.gov
Veil Environmental	410-212-0950	john@veilenvironmental.com
Environmental Defense Fund	512 691-3410	sanderson@edf.org

MONITORING SUBGROUP

	Larry Bengal	State - AR	roam
	Rick Simmers	State - OH	roam
	Michael Teague	State - OK	3
X	Bob Koehler	State - CO	2&3 3-Subgroup lead
X	Robert Bauer	State - IL	1&3
X	Leslie Savage	State - TX	1-4 3-Subgroup lead
X	Mike Sims	State - TX	3
X	Ben Ben Grunewald	GWPC	roam
	Mike Paque	GWPC	roam
X	Joe Lee	GWPC	3 staff- Subgroup lead
X	Nancy Dorsey	EPA	3
a	Scott Anderson	EDF	roam
X	Rod Gertson	Industry	3
X	Kara Williams	Industry	3
X	Tim Tyrrell	Industry	3
X	Hal Macartney	Industry	3 Subgroup lead
X	Derek Smith	Industry	3
	Norm Warpinski	Contractor	3
	Laura Swafford	Industry	3
a	Mike Mathis		roam
	Roger Kelley	Industry	roam
X	Ed Steele	Consultant	3
X	Dan Arthur	Consultant	3
X	Holly Green	EPA	3
X	Kate Konschnik	Academia	

Arkansas Oil & Gas Commission	501-683-5814	Larry.Bengal@aogc.state.ar.us
Ohio Department of Natural Resources	330-896-0616	Rick.Simmers@dnr.state.oh.us
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Colorado Oil & Gas Conservation Commission	303-894-2100	bob.koehler@state.co.us
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Texas Railroad Commission	512-463-5405	Michael.sims@rrc.state.tx.us
Ground Water Protection Council	405-255-0228	ben@gwpc.org
Ground Water Protection Council	405-516-4972	mpaque@gwpc.org
Ground Water Protection Council	717-991-5620	Joslee.jjl@gmail.com
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F+A3:G30irst Last	Affiliation	Group
Larry Bengal	State - AR	roam
Herschel McDivitt	State - IN	4 Subgroup lead
Rick Simmers	State - OH	roam
Robert Worstall	State - OH	4
Andrew Adgate	State - OH	4
Gerry Baker	IOGCC	4 staff- Subgroup lead
Ben Ben Grunewald	GWPC	roam
Justin Rubenstein	USGS	4
Debby Yost	Industry	4
Brad Bacon	Industry	1&4
Mike Mathis		roam
Roger Kelley	Industry	roam
Ivan Wong	Contractor	4 Subgroup lead
Leslie Savage	State - TX	1-4 3-Subgroup lead
Scott Anderson	EDF	roam

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Ohio Department of Natural Resources	330-284-1418	robert.worstell@dnr.state.oh.us
Ohio Department of Natural Resources	614-265-6673	Andrew.adgate@dnr.state.oh.us
Interstate Oil and Gas Compact Commission	405-525-3556	gerry.baker@iogcc.state.ok.us
Ground Water Protection Council	405-255-0228	ben@gwpc.org
United States Geological Survey	650-329-4852	jrubinstein@usgs.gov
Chesapeake Energy	405-935-4179	Debby.yost@chk.com
PDC Energy	303-831-3945	Brad.Bacon@pdce.com
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Environmental Defense Fund	512 691-3410	sanderson@edf.org